Title (en)
VOICE OPTIMIZATION IN NOISY ENVIRONMENTS

Title (de)
SPRACHOPTIMIERUNG IN UMGEBUNGEN MIT HOHEM GERÄUSCHPEGEL

Title (fr)
OPTIMISATION DE LA VOIX DANS DES ENVIRONNEMENTS BRUYANTS

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Abstract (en)
[origin: WO2022240346A1] The present invention relates to a method, of increasing speech intelligibility of an audio stream (20) comprising speech audio. The method is performed in real-time by an audio device and comprises detecting an ambient noise (40) and estimating an internal noise based on the ambient noise (40). A voice filter (50) is determined based on the estimated internal noise and the audio stream (20) and the voice filter (50) is applied to the audio stream (20) to provide a target audio stream (20'). The target audio stream (20') is outputted to one or more transducers (35) in order to generate an internal sound (37) of the audio device. The internal sound (37) of the audio device (30) is detected and wherein the determining of the voice filter (50) is further based on the detected internal sound (37). An audio device, an audio system and a computer program product are also presented.

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